

INTERNATIONAL SEARCH REPORT

Intern Application No
PCT/GB2005/000915

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D519/00 A61K31/5517 A61P35/00 A61P31/04
/(C07D519/00, 487:00, 487:00)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00/12508 A (THE UNIVERSITY OF PORTSMOUTH HIGHER EDUCATION CORPORATION; THURSTON, D) 9 March 2000 (2000-03-09) cited in the application page 120, line 26 - page 122, line 6; claims 1,12,13,38-44; figures 10,11,12b; examples 2d,2e	1-15
Y	WO 00/12507 A (THE UNIVERSITY OF PORTSMOUTH HIGHER EDUCATION CORPORATION; THURSTON, D) 9 March 2000 (2000-03-09) cited in the application claims 1,19,32-37; examples 5a,5b,5c ----- -/-	1,9-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

22 July 2005

Date of mailing of the international search report

01/08/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 93/18045 A (CANCER RESEARCH CAMPAIGN TECHNOLOGY LIMITED) 16 September 1993 (1993-09-16) cited in the application claims 1, 2, 11 (first occurrence), 9-11 (second occurrence), 12, 13; examples 4,6	1-13
A	GREGSON S J ET AL: "Design, Synthesis, and Evaluation of a Novel Pyrrolobenzodiazepine DNA-Interactive Agent with Highly Efficient Cross-Linking Ability and Potent Cytotoxicity" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 44, no. 5, 2001, pages 737-748, XP002272009 ISSN: 0022-2623 page 739, scheme 1; page 742, column 2, line 23 - line 25	1-13
A	GREGSON S J ET AL: "Synthesis of the first example of a C2-C3/C2'-C3'-endo unsaturated pyrrolo[2,1-c][1,4]benzodiazepine dimer" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 11, no. 21, 27 August 2001 (2001-08-27), pages 2859-2862, XP002329276 ISSN: 0960-894X page 2860, table 1; page 2861, scheme 2	1-13
A	GREGSON S J ET AL: "SYNTHESIS OF A NOVEL C2/C2'-EXO UNSATURATED PYRROLOBENZODIAZEPINE CROSS-LINKING AGENT WITH REMARKABLE DNA BINDING AFFINITY AND CYTOTOXICITY" CHEMICAL COMMUNICATIONS - CHEMCOM, ROYAL SOCIETY OF CHEMISTRY, GB, no. 9, 1999, pages 797-798, XP001156959 ISSN: 1359-7345 the whole document	1-13

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Intern al Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>KAMAL A ET AL: "Synthesis of pyrrolo'2,1-c!'1,4!benzodiazepines via reductive cyclization of omega-azido carbonyl compounds by TMSI: an efficient preparation of antibiotic DC-81 and its dimers" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 10, no. 20, 16 October 2000 (2000-10-16), pages 2311-2313, XP004224207 ISSN: 0960-894X page 2311, left-hand column, first paragraph; page 2312, scheme 2 -----</p>	1-13
A	<p>SAGNOU M J ET AL: "Design and synthesis of novel pyrrolbenzodiazepine (PBD) prodrugs for ADEPT and GDEPT" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 10, no. 18, September 2000 (2000-09), pages 2083-2086, XP004208317 ISSN: 0960-894X page 2083, left-hand column, first paragraph; page 2084, scheme 2 -----</p>	1-5,7-13
A	<p>THURSTON D E ET AL: "Synthesis of Sequence-Selective C8-Linked Pyrrolo'2,1-c!'1,4!benzodiazepine DNA Interstrand Cross-Linking Agents" JOURNAL OF ORGANIC CHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, US, vol. 61, no. 23, 1996, pages 8141-8147, XP002272010 ISSN: 0022-3263 page 8142, scheme 1 -----</p>	1-8

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claim 12 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition. Moreover, as far as claims 13-15 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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Application No
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0012508	A	09-03-2000	AT 240334 T	15-05-2003
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			DE 69910227 T2	17-06-2004
			DK 1109811 T3	24-11-2003
			EP 1109811 A2	27-06-2001
			ES 2205872 T3	01-05-2004
			WO 0012507 A2	09-03-2000
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			WO 9318045 A1	16-09-1993
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